

# Shell MVIP 1050

## *Paraffinic medium viscosity index base oil*



Shell MVIP base oils are a range of paraffinic base oils with good solvency, oxidation stability and viscosity/temperature behaviour. The low viscous HMVIP oils are manufactured via severe hydrotreatment. MVIP 1050 is manufactured from a residual fraction. Shell MVIP (medium viscosity index) base oils can be used as blending components in speciality lubricants for industrial and automotive applications.

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### Typical Physical Characteristics

|                                      |                    |             | <b>MVIP 1050<br/>Typical</b> | <b>MVIP 1050<br/>Specification</b> |
|--------------------------------------|--------------------|-------------|------------------------------|------------------------------------|
| <b>Appearance</b>                    |                    |             | bright&clear                 | bright&clear                       |
| <b>Colour (ASTM)</b>                 |                    | ASTM D 1500 | D8.0                         |                                    |
| <b>Density at 15 °C</b>              | kg/m <sup>3</sup>  | ASTM D 1298 | 921                          |                                    |
| <b>Flashpoint PMCC</b>               | °C                 | ASTM D 93   | 270                          | min 260                            |
| <b>Flashpoint COC</b>                | °C                 | ASTM D 92   | 278                          |                                    |
| <b>Pour Point</b>                    | °C                 | ASTM D 97   | -6                           | max -6                             |
| <b>Kinematic Viscosity at 40 °C</b>  | mm <sup>2</sup> /s | ASTM D 445  | 1068                         | >980                               |
| <b>Kinematic Viscosity at 100 °C</b> | mm <sup>2</sup> /s | ASTM D 445  | 46                           |                                    |
| <b>Viscosity Index</b>               |                    | ASTM D 2270 | 82                           |                                    |
| <b>Acid Value</b>                    | mgKOH/g            | ASTM D 974  | <0.1                         | max. 0.1                           |
| <b>Ash</b>                           | %m                 | ASTM D 482  | < 0.01                       |                                    |
| <b>PCA Content</b>                   | %m/m               | IP 346      | max. 2.9                     | max. 2.9                           |

These characteristics are typical of current production. Whilst future production will conform to Shell's specification, variations in these characteristics may occur.